

Detailed Instructions to deploy

Data Visualization projects showing how Oracle DV Machine learning can be used to predict Bike Rental count using Train Numeric Prediction ML node in dataflows. This package contains two .dva projects:

- 1) **Linear Regression Apply - Bike Rental Prediction.dva**: This project imports dataflow that trains a model which can predict Bike rental count. Name of the dataflow is: **Linear Regression - Bike Renting Train Model** and it can be found in Data Flows tab in Data section. Name of the model is: **Linear Regression - Bike Renting Model** and it can be found in Models tab in Machine Learning. Along with the dataflow this project should import Training data and related datasets (datasets generated by Oracle DV while creating the model).

- 2) **Linear Regression Train-Bike Rental Prediction.dva**: This project imports two artifacts:
 - a) Dataflow that applies the model created by Train model dataflow. Name of the dataflow is: **Linear Regression - Bike Renting Predict**. This dataflow also imports the dataset on which we are performing prediction.
 - b) VA project created using the output dataset generated by the model. Output contains Predicted Count along with the input columns.

To deploy this example, please import the above two .dva projects. **Password** to open the project files is **Admin123**. To tune the model for better results you may edit the parameters section of Train Numeric Prediction node in **Linear Regression - Bike Renting Train Model** dataflow.

Pre-requisite: To deploy this example, please Install DVML. OAC has DVML installed by default. To install DVML in DV Desktop(Windows/Mac) please run install_dvml* file.